

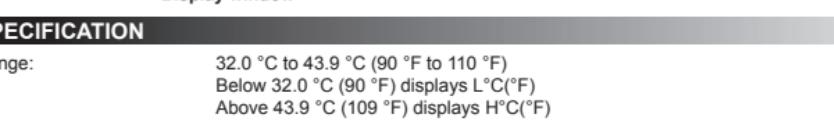
## INSTRUCTION FOR USE

Please read carefully before using.

## FEATURES

- Fast oral and rectal temperature measurement in 9 till 15 seconds.
- Easy to read large LCD (liquid crystal display).
- This unit is waterproof.

## PARTS DESCRIPTION



## SPECIFICATION

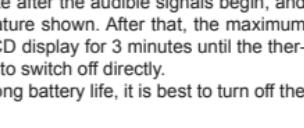
Range:	32.0 °C to 43.9 °C (90 °F to 110 °F) Below 32.0 °C (90 °F) displays L°C/F Above 43.9 °C (109 °F) displays H°C(F)
Intended use:	Measurement of body temperature
Resolution:	0.1 °C (°F)
Accuracy:	±0.1 °C (34.0 °C to 42.0 °C), ±0.2 °C (other ranges) ±0.2 °F (93.2 °F to 10.6 °F), ±0.4 °F (other ranges)
Display:	Liquid crystal display 3 1/2 digits
Battery: (included)	Micro Alkaline battery 192, LR41 1.55 V
Power Consumption:	0.15 milliwatts in measurement mode
Battery life:	More than 200 hours of continuous operation
IP classification:	IP 27 (Protected against solid foreign objects with a diameter of 12.5 mm and protection against temporary immersion)
Dimensions:	135 mm x 23.2 mm x 12 mm
Weight:	Approx. 15 grams including battery
Beeper:	Approx. 8 second sound signal when no relevant increase in temperature is detected
Memory:	Built-in memory enabling display of previously measured value
Working Conditions:	Temperature: 10 °C to 40 °C (50 °F to 104 °F); Humidity: 15 % to 95 % R. H.  It is only possible to measure temperatures that are above the ambient temperature.
Storage Conditions:	Temperature: -25 °C to +55 °C (-13 °F to 131 °F); Humidity: 15 % to 95 % R. H.
Guarantee of Quality:	EN 12470-3 Clinical thermometers - Part 3: Performance of compact electrical thermometers with maximum device. Geratherm® is certified in accordance with Council Directive 93/42/EWG and EN ISO 13485 and is entitled to affix the CE-mark CE0197 (Notified Body: TÜV Rheinland LGA Products GmbH).
Electromagnetic compatibility (EMC):	The present medical product is a device with extremely high degree of noise immunity. Therefore, the enclosure with the EMC tables was not printed out.

## PRECAUTIONS

- Use of this instrument is not intended as a substitute for consultation with your physician. Prolonged high fever requires medical attention especially for your children. Please contact your physician.
- Child's temperature shall be taken under adult's surveillance.
- Keep out of the reach of unsupervised children. Choking resulting from a child swallowing a small part that has become detached from the thermometer.
- Do not boil, bite, bend, drop or disassemble this thermometer.
- Do not attempt to disassemble the unit except to replace the battery.
- Avoid taking temperature in 30 minutes after physical exercises, bathing or dining.
- Do not store, use and transport the unit under direct sunlight, at a high temperature, or in high humidity or dust. Performance may be degraded.
- Stop using the thermometer if it operates erratically or if the display malfunctions.
- If the thermometer has been stored at below-freezing temperatures, allow the thermometer to warm naturally to room temperature before using.

## BATTERY REPLACEMENT

- When the symbol „D“ appears, the battery needs to be replaced.
- Remove the battery cover from the thermometer, and then remove the black rubber.
- Use a toothpick or the like to pry loose the battery cover and the old battery. Avoid using any sharp metal object in this operation.
- Place a new battery into the battery holder.
- Replace and fasten the battery cover securely.



**⚠** Discard old battery carefully, out of reach of young children.

**⚠** Do not dispose of the battery in a fire. It may explode.

## HOW TO USE

- Disinfect the probe with ethyl (rubbing) alcohol before using.
- Depress the ON/OFF button. The display will read **188.8** or **188.8**.
- Release the ON/OFF button and the display will show L°C or L°F with °C or °F flashing.
- Place the probe in the appropriate position (oral, rectal or axillary).
- As soon as the thermometer does not register any further relevant increase in temperature, °C stops flashing and the maximum value measured up to that time is shown, accompanied by a series of audible signals.
- The thermometer continues measuring the temperature for a further minute after the audible signals begin, and in this time there may possibly be a further slight increase in the temperature shown. After that, the maximum temperature measured is recorded and stored; it remains visible on the LCD display for 3 minutes until the thermometer is automatically switched off. Or short press the ON/OFF button to switch off directly.
- The unit will automatically turn off in 3 minutes (approx.). However, to prolong battery life, it is best to turn off the thermometer once the temperature has been noted.

## SPECIAL FEATURES

Last Memory Recall: When the ON/OFF button is depressed to activate the thermometer, hold down for approximately 2 seconds. The display of 188.8 will change to show the last measured temperature. This reading is displayed as long as the button is held down. When the button is released, the thermometer will be in „ready-to-measure“ mode and the recalled temperature will be erased.

Fever Indicator: If the temperature registers higher than 37.5 °C (99.5 °F), the fever indicator (a quick beeping sound which occurs continuously for about 8 seconds) will sound when the peak temperature has registered.

Switch between Centigrade and Fahrenheit: After turning on the thermometer, press and hold ON button for 2 seconds. In order to store the desired unit of measurement (°C or °F), it is necessary to conduct a complete measuring procedure.

**⚠ Note:** You may put a sanitary plastic probe shield on the sensor tip to help prevent avoidance of virus transmission. Use of the probe cover may result in a 0.1 °C (0.2 °F) difference from actual temperature. Dispose of any used probe shield and store the unit in a safe place.

## MEASUREMENT METHODS

**⚠** It is only possible to measure temperatures that are above the ambient temperature.

## ORAL

Place the probe well under the patient's tongue. Instruct the patient to keep their mouth closed while the thermometer is reading. A normal temperature by this method is usually considered between 36.0 °C to 37.5 °C (96.8 °F to 99.5 °F).

## RECTAL

If rectal temperature is recommended by your doctor, you may use a probe shield. Insert thermometer into the probe shield. Lubricate the probe cover with a water soluble jelly for easier insertion. Do not use petroleum jelly. Insert tip of probe no more than 1.5 cm (1/2 inch) into rectum. STOP if you meet any resistance. In general, the rectal temperature is around 0.5 °C to 1.0 °C (1.0 to 2.0 °F) higher than oral temperature.

## AXILLARY

Wipe armpit with a dry towel. Place probe in the patient's armpit and keep the patient's arm pressed firmly against their side. In general, the axillary temperature is around 0.5 °C to 1.0 °C (1.0 °F to 2.0 °F) lower than oral temperature. Note that in order to achieve better axillary temperature measurement result, a minimum measuring time of 2 to 3 minutes is recommended regardless of the beep sound.

**⚠ NOTE:** If you compare temperatures between two thermometers, it is possible to have two different readings even if both thermometers are within their accuracy tolerances. Differences in how you take each reading and the thermometer's tolerance range can account for nearly 0.1 °C (0.2 °F) variability.

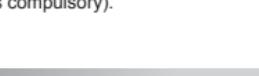
**REMEMBER:** Find your normal temperature and watch for changes.

## CLEANING AND DISINFECTION

For household use, always clean the probe head before and after each use. Wash the tip with a solution of mild detergent and cool water. Disinfect the thermometer by wiping the sensor and lower stem with a cloth dipped in a household antiseptic solution such as rubbing alcohol (recommendation: 70% isopropyl alcohol).

The thermometer is water resistant.

Do not boil or clean in autoclave.



place probe tip

## DISPOSAL

Observe the applicable regulations when disposing of the thermometer and batteries. This thermometer must not be disposed of together with domestic waste. All users are obliged to hand in all electrical or electronic devices, regardless of whether or not they contain toxic substances, at a municipal or commercial collection point so that they can be disposed of in an environmentally acceptable manner.

Please remove the batteries before disposing of the thermometer. Do not dispose of old batteries with your household waste, but at a battery collection station at a recycling site or in a shop.



## LIMITED WARRANTY

This thermometer is guaranteed for two years from the date of purchase against manufacturer's defect under normal, household use. Following the directions closely will ensure years of dependable operation. If the thermometer does not function properly, first check the battery (see battery replacement instructions). We recommend that the accuracy of the unit be checked every 2 years by an authorised laboratory (in Germany this is compulsory).

Replace it if necessary.

## SYMBOL INDEX

	Follow instructions for use
	Keep dry.
	Store between 15 % and 95 % R.H.
	Store between -25 °C and +55 °C
	The device must not be disposed of with household waste.

	Type BF applied part
	Manufacturer
	Caution! Read the instruction manual.
	Batch code (mm/yyyy; month/ year)

Geratherm Medical AG  
Fahrenheitstrasse 1  
98716 Geschwenda  
Germany  
www.geratherm.com